AMG-14
TSTCore Update

21 August 1996

Topics

- **Events Calendar**
- **Baseline Development**
- **Security**
- **MRCI**
- **VV&A**
- **Testing**
- **DIS**
- **Data**
- **Profiles**
- **AMG Schedule**
- **Topics for Upcoming AMG Meetings**

Events Calendar

- **Since last AMG meeting:**
  - **17-18 July 96** — **AMG-13**
  - **18 July 96** — **Draft OMT v1.0 released to AMG**
  - **8 August 96** — **Draft I/F Spec v1.0 released to AMG**
  - **12 August 96** — **Comments received on draft baseline documents**
  - **15 August 96** — **HLA Baseline Documents distributed to AMG**
- **Upcoming Events:**
  - **21-22 August 96** — **AMG-14**
  - **16-20 Sept 96** — **15th DIS Workshop**
  - **9-10 October 96** — **AMG-15**
  - **2-6 December 96** — **I/ITSEC**
  - **18-19 Dec 96** — **AMG-16**

HLA Baseline Development Milestones

- **Activities since AMG-13 (17-18 July)**
  - **Rules**
    - **v1.0 (draft) reviewed at AMG-13, no issues raised**
    - **comments reviewed and final v1.0 revision released 8/16**
  - **OMT v1.0 (draft) review**
    - **v1.0 (draft) copies circulated at AMG-13 meeting**
    - **comments reviewed and coordinated with IF Spec review team**
    - **final version 1.0 release 8/15**
  - **I/F Spec review**
    - **Version 0.5 with IFSpec WG comments available at AMG-13**
    - **IF review team met 7/23-24,7/31-8/1,8/12-13**
      - **draft 1.0 distributed to IF Spec and AMG reps on 6 August**
      - **comments reviewed; final v1.0 revision released 15 August**
- **AMG-14 (21-22 August)**
  - **Complete Version 1.0 up for approval**

Security

- Security technical exchange held in conjunction with AMG-13
- Results indicated that the mid-term guarded system offers a reasonable approach
  - Presentation planned for DIS-15 Security Group
- Meeting held with NSA (13 August) to discuss HLA status, current security approach, and to initiate cooperative activity
- Follow-up meeting planned for September
- Results will be briefed back to the AMG

MRCI

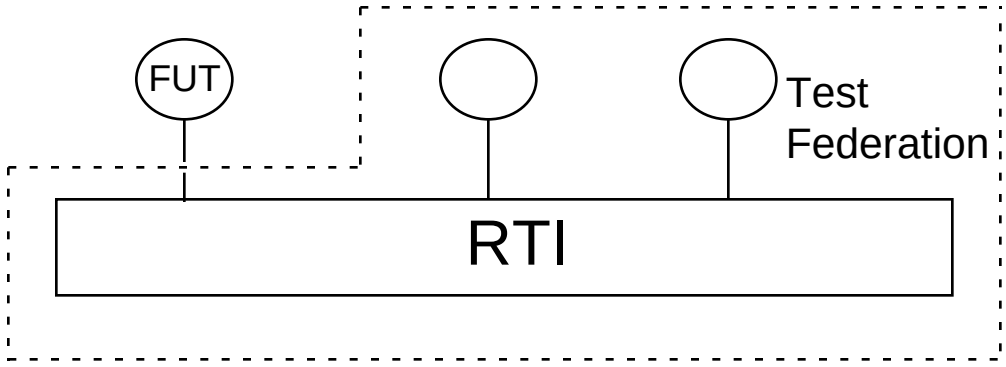
- **MRCI is investigating the development of reusable software to support interfaces between C4I systems and the HLA**
- **Critical Design Review (CDR) was held on 14 August**
- **Prototyping and experiment plans include**
  - **Use of MRCI in STOW tests though the first and second quarters of FY97, and use of MRCI in STOW ACTD demonstration**
  - **Experimentation in JSIMS testbed first and second quarters FY97**

VV&A

- **VV&A DoD Instruction (DoDI 5000.61, 29 Apr 96) assigns responsibilities, and prescribes procedures for DoD M&S**
  - **Copy available on web (http://www.dmso.mil/docslib/mspolicy/)**
  - **VV&A Recommended Practices Guide in draft form, available at same location.**
- **VV&A Supporting documentation to the HLA has been developed by the VV&A Technical Working Group (TWG)**
- **Uses the HLA Federation Development Process as a framework for discussing VV&A issues as they are address throughout the life cycle of the process**
- **Hard copies are available; Supporting document is included in the HLA Technical Library and is available on-line**

Testing

- **Next version of Interface and OMT test procedures due September 5**
- **Tentatively scheduling TWG3 for September 4 to discuss lessons learned**
- **Evaluating Specification and Description Language (SDL) software to support Interface Test Tool:**
  - **Formal description of RTI and Test Federation produces "validated" test system for Federates/ Federations Under Test (FUT)**



IEEE DIS++

- DIS-15 meeting will take place 16-20 September in Orlando
  - HLA technical presentations and prototyping results
  - HLA related technical papers generated by both AMG-related and other activities
- Plan proposed by Special Task Group on Vision Implementation Plan (STGVIP) approved on 19 August by the DIS Steering Committee
  - Updated copy will be available shortly
- DIS Transition Team has been named; this group will work to implement this plan
  - Members are: Chris Bouwens, Margaret Loper, Mark Smith, Steve Seidensticker, Duncan Miller, Bill Tucker, Anita Zabek, Jack Kramer and Ed Brady

Data

- Data standardization is a second component of the DoD Common Technical Framework
- HLA provides structure for simulation interoperability; it does not specify the data content (syntax or semantics)
  - OMT provides only structure for SOMs and FOMs
- Common SOM and FOM data (syntax and semantics) is important for cost-effective interoperability and reuse
  - Time to couple data standardization efforts with HLA
- Data dictionary is being developed to support common syntax and semantics for CMMS and other efforts
  - builds on DoD data dictionary system (DDDS) and DIS data dictionary
- Ideally same data dictionary would be used to 'fill' SOMs and FOMs
  - 'suitability assessment' is underway using HLA Baseline FOMs
  - linking data dictionary to HLA OM development tools under consideration
- FY97 AMG OM development efforts could use these tools to apply common data to HLA SOMs and FOMs

Profiles

- All programs have submitted draft federate profiles
- Profile has been revised
  - Federate descriptive data is to be provided in format requested by the MSRR directory
  - More detail in a more structured form is requested on adaptations to federates made for operation in HLA prototypes
- Proposed that the completed profiles be included in the technical library and be made available for broad consumption
- Hard copies of revised profile format are available; automated will be sent upon request
- Completed profiles to be submitted with final reports

Future AMG Dates

The following dates are set for continuation of the AMG meetings during the two-year HLA transition period:

AMG-15	**9-10 Oct 96**
AMG-16*	**18-19 Dec 96**
AMG-17	**12-13 Feb 97 (HLA 1.1)**
AMG-18	**9-10 Apr 97**
AMG-19*	**18-19 Jun 97**
AMG-20	**13-14 Aug 97 (HLA 1.2)**
AMG-21	**8-9 Oct 97**
AMG-22	**10-11 Dec 97**
AMG-23	**11-12 Feb 98 (HLA 1.3)**
AMG-24	**8-9 Apr 98**
AMG-25	**10-11 Jun 98**
AMG-26*	**12-13 Aug 98 (HLA 1.4)**

*** These dates changed from original announcement at AMG-13.**

Topics for Upcoming Meetings

- **In planning for upcoming AMG meetings, several topics have been suggested:**
  - **Data and the HLA**
    - **plans for use of common data dictionary for SOM/FOM development**
  - **Middleware**
    - **based on HLA prototyping review experience and future prospects for reusable supporting software in HLA federations, including**
      - **various types of middleware include: ‘adapter-ware’, ‘data collector-ware’, ‘translator-ware’, ‘projection-ware’, ‘filterware’**
  - **Engineering a federation**
    - **experience with the technical development of a federation, including a more detailed discussion of FRED**
  - **Tool architecture**
    - **discussion of the range of tools possible for supporting HLA throughout the life cycle**